**EPIDEMIOLOGY (EPID)**

Graduate Degree Program  
College: Public Health

**Abstract**

The Department of Epidemiology and Biostatistics offers a Ph.D. program in Epidemiology. Students in the Ph.D. program in Epidemiology master core knowledge in epidemiologic and biostatistical methods related to the design, implementation and evaluation of public health studies surrounding psychosocial, behavioral, biological, and cultural factors. Students may work with their advisor to design their own research specialization or they may apply to one of our two specializations:

1. Social Epidemiology or
2. Environmental Epidemiology.

Our students have full access to faculty who will guide you through all phases of the program to ensure your educational goals are met. Our Washington, DC area location provides unparalleled opportunities for research experiences in public health, including placements at the U.S. Department of Health and Human Services (e.g., National Institutes of Health, National Center for Health Statistics), Children's National Medical Center, the Maryland Department of Health and Mental Hygiene, and many other national, state, and local health agencies.

**Financial Assistance**

The Department offers a limited number of fellowships, and graduate teaching and research assistantships.

**Contact**

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**Email:** xinhe@umd.edu

**Website:** [http://sph.umd.edu/department/epib](http://sph.umd.edu/department/epib)

**Courses:**  
EPIB ([https://umd-curr.courseleaf.com/graduate/courses/epib](https://umd-curr.courseleaf.com/graduate/courses/epib))  
SPHL ([https://umd-curr.courseleaf.com/graduate/courses/sphl](https://umd-curr.courseleaf.com/graduate/courses/sphl))

**Relationships:**  
Biostatistics (BIOS) ([https://academiccatalog.umd.edu/graduate/programs/biostatistics-bios/](https://academiccatalog.umd.edu/graduate/programs/biostatistics-bios/))  
Epidemiology (EPDM) ([https://academiccatalog.umd.edu/graduate/programs/epidemiology-epdm/](https://academiccatalog.umd.edu/graduate/programs/epidemiology-epdm/))

**Admissions**

**GENERAL ADMISSION REQUIREMENTS**

- Minimum 3.0 undergraduate GPA
- At least one undergraduate math course (M.S. applicants)
- Transcripts from all previous coursework

- English proficiency test score (TOEFL, IELTS or PTE) (international applicants ([https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/](https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/))
- Statement of purpose and objectives including career and educational goals, professional experience, and areas of interest

**PROGRAM SPECIFIC REQUIREMENTS**

- SOPHAS Application ([https://sophas.org/](https://sophas.org/)): Applications for this School of Public Health Program must first be submitted through the Public Health application system, www.SOPHAS.org ([https://sophas.org/](https://sophas.org/)). SPH applicants should only complete the UMD application after their SOPHAS application has been verified and you have been notified to complete the UMD application

**APPLICATION DEADLINES**

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<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
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<tbody>
<tr>
<td>Domestic Applicants</td>
<td>November 11, 2022</td>
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<tr>
<td>US Citizens and Permanent Residents</td>
<td>November 11, 2022</td>
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<tr>
<td>International Applicants</td>
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<tr>
<td>F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants</td>
<td>November 11, 2022</td>
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**RESOURCES AND LINKS**

**Program website:** [https://sph.umd.edu/academics/doctoral-degrees/phd-epidemiology](https://sph.umd.edu/academics/doctoral-degrees/phd-epidemiology)

**Application Process:** [https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process](https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process)

**Admissions FAQ:** [https://sph.umd.edu/admissions/graduate-admissions/graduate-application-faqs](https://sph.umd.edu/admissions/graduate-admissions/graduate-application-faqs)

**Requirements**

- Epidemiology, Doctor of Philosophy (Ph.D.) ([https://academiccatalog.umd.edu/graduate/programs/epidemiology-epid/epidemiology-phd/](https://academiccatalog.umd.edu/graduate/programs/epidemiology-epid/epidemiology-phd/))

**Facilities and Special Resources**

The Department of Epidemiology and Biostatistics faculty includes individuals with multi-faceted interests in both epidemiology and biostatistics. Our faculty have research interests and expertise in the epidemiology of infectious disease and chronic disease with particular focus in the areas of HIV/STIs, cancer, health disparities, cardiovascular disease, obesity/physical activity, and sexual and reproductive health. Additional areas of specialization include social and behavioral determinants of health, aging, cultural competency, and community-based interventions. Biostatistics faculty apply statistical techniques including survival and longitudinal analysis, computational statistics, statistical analysis of genomic and proteomic data, machine learning, neuroimaging statistics, (network) meta-analysis, missing data analysis, Bayesian hierarchical methods, and bioinformatics to analyze and interpret health data.